

CLAIMS

1. An engine control system in a vehicle comprising:
a diesel engine in the vehicle;
a diesel fuel tank for supplying fuel to the diesel engine;
a gasoline tank in the vehicle;
5 a reformer for providing partial oxidation products from gasoline
contained in said gasoline tank;
a NOx trap coupled to the exhaust of said diesel engine.
2. The engine control system of Claim 1 wherein said NOx trap
includes a three-way catalyst.
3. The engine control system of Claim 1 wherein said NOx trap is
regenerated by said partial oxidation products.
4. The engine control system of Claim 1 wherein said partial
oxidation products include carbon monoxide, hydrogen, or nitrogen.
5. A method of controlling a diesel engine comprising:
providing a diesel fuel tank;
providing a gasoline fuel tank;
providing a gasoline reformer;
5 providing a NOx trap;
generating partial oxidation products using said gasoline reformer;
and
regenerating said NOx trap with said partial oxidation products.

- 5 6. A method of controlling a diesel engine comprising:
supplying gasoline to a partial oxidation reformer to generate
reformate; and
introducing the reformate into the diesel engine.
7. The method of Claim 6 where in the reformate comprises
hydrogen.
8. The method of Claim 6 wherein the reformate comprises carbon
monoxide.
9. The method of Claim 6 wherein the reformate comprises
hydrocarbons.